Name: HW45\_FindTheArea

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Geometry, Period

Due Date: Wed, Oct 29, 2014

**Geometry**

**Homework**



**Failure to show work on all problems or use complete sentences will result in a LaSalle. *Round to hundredths!***

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Area=length\*width

HINT: If you know total area and one side length, you still use A=l\*w, but instead of solving for A you solve for l or w

***Review Problems***

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| 9) On a number line, point A is located at –99, B is  located at -4, and C is located at 62. How much  longer is *BC* than AB? | 10) Mr. Reimer enjoys skateboarding. His ramp requires that the starting point would have the coordinates of (-2,-9) and the highest point on the ramp would have coordinates of (12, 18). What would the slope of Mr. Reimer’s skateboard ramp be? |
| 14) On a number line, point A is located at -23.5, point B is located at -.5, and C is located at 0. How much longer is AC than AB? | 15) What is the equation of the line that passes through (2,-8) and is perpendicular to y=3x-5?  -Perpendicular means opposite reciprocal (flip it and reverse it!)  -Once you find slope plug in coordinates it passes through and solve for b.  -Rewrite in using new slope/b values |
| 16) A turtle moves from his original point of rest, at (-6, -8) to his final position at (2,6). Where would the **halfway point** have been for his friend rabbit to meet him? | 13) Solve for x:  z=xy+16-z |